symbol®

Symbol Spark™ LS 1000 Scanner Series

**THE SMART
CHOICE
FOR VALUE,
QUALITY AND
PERFORMANCE**

Solid Scanning Performance, Ergonomic Design, and Affordable Pricing Make Symbol Spark the Best Value in its Class

Symbol Spark™ LS 1000 Scanner Series is big on performance, but easy on your budget. Part of the Symbol Smart Line™ scanner family, feature for feature, they're the best "aim-and-shoot" scanners in their class: Symbol Spark is faster, more compact, and has a better working range. Engineered with Symbol's patented scanning technology and a lightweight ergonomic design, the Symbol Spark LS 1000 brings you Symbol quality and reliability at a price that's within your reach.

"Best of Class" Performance

Available in decoded and undecoded versions, Symbol Spark offers an impressive array of features to deliver "best of class" performance:

▸ Optimized laser focusing for accurate bar code reading – from contact to 9"/23 cm – on UPC/EAN symbols across a variety of code sizes and print qualities.

▸ Symbol's exclusive Synapse® "smart cable" for connectivity to virtually any type of host by a simple change of a cable – no separate interface is required. This dramatically reduces inventory stocking requirements while providing a cost-effective path for easy upgrades.

▸ Symbol's patented Mylar® scan element eliminates motor wear and consumes less power, providing years of dependable performance and extending battery life in portable applications.

▸ Ergonomic aim-and-shoot design is easy to use, minimizing operator training.

▸ Optional stand available for hands-free scanning.

Compact, Lightweight Design Boosts Productivity

The Symbol Spark is comfortable to hold and easy to use, even for users with very small hands and wrists. Over extended periods of use, the Symbol Spark's compact, lightweight design helps to minimize operator fatigue.

The result is increased productivity for faster customer service at checkout counters and improved stock room and office applications.

The Symbol Spark may be small, but it's built tough. At Symbol, we know the abuse hand-held scanners often have to survive. So we designed the Symbol Spark LS 1000 with a tough, protective housing that can withstand repeated knocks and bumps – even 4'/1.2 m "free falls" from countertops to concrete floors.

Look to Symbol Smart Line for Better Performance…and Better Value

The Symbol Spark LS 1000 Scanner Series is engineered to provide the best performance of any laser scanner in its class. When you need an economical scanner that offers good performance and dependability, the Symbol Spark is the superior solution.

Look to Symbol Technologies to provide solid scanning solutions for all your business needs. Anticipating your needs and responding to them has made Symbol Technologies the leader in portable scanning solutions, with more than 8 million scanners and terminals installed worldwide.

Symbol Spark™ LS 1000 Scanner Series
Specification Highlights

Performance Characteristics

Light Source:	670±10 nm laser diode
Scan Rate:	36 ± 3 scans per second
Print Contrast:	25% minimum reflectance
Decode Capability:	LS 1004/LS 1006: UPC/EAN, Code 39, Code 39 full ASCII, Code 128, Code 93, CODABAR, Interleaved 2 of 5, Discrete 2 of 5; LS 1000: undecoded
Interface Type:	RS-232-C, Synapse Smart Cables (LS 1004), Keyboard Wedge (LS 1006)
Regulatory:	Complies with UL, CSA and VDE; conforms to FCC Class A and Class B limits
Voltage:	4.75 to 14.5 VDC
Current:	80-100 mA typical
Laser Class:	CDRH Class II, IEC Class 2

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C A U T I O N
LASER LIGHT–
DO NOT STARE INTO BEAM
670nm LASER
1.0 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT
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CE

User Environment

Ambient Light:	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions
Operating Temperature:	32° to 104° F/0° to 40°C
Storage Temperature:	-40° to 140° F/-40° to 60°C
Humidity:	5% to 95% noncondensing
Drop Spec:	4'/1.2 m to concrete
Weight:	4.05 to 4.08 oz./115-120 gm

Range

Symbol Density	From Min.	To Max.
5 mil	1 in./2.54 cm	2.3 in./5.8 cm
7.5 mil	contact	5 in./12.7 cm
100% UPC	contact	9 in./22.9 cm
20 mil	2 in./5 cm	15 in./38 cm

Key Accessories

Desktop/countertop stand	P/N: KT-17491-01
Adjustable hands-free stand	P/N: 20-31195-01 (LS 1004 and LS 1006 only)

Warranty

Symbol's Spark LS 1000 Scanner Series is warranted against defects in workmanship and materials for a period of 18 months from the date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions.

For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Certified Business Partner.

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